

CLAIMS

What is claimed is:

1 1. A T38 client driver system, comprising:
2 a client having a T38 protocol client driver that is operable to support a fax over Internet
3 protocol session;
4 a first Internet service provider, the client connects to the first Internet service provider;
5 a second Internet service provider that is operable to support a T38 protocol;
6 an Internet protocol network, the first Internet service provider and the second Internet
7 service provider are communicatively coupled via the Internet protocol network;
8 a telephone network provider;
9 a fax machine that is operable to be communicatively coupled to the second Internet
10 service provider via the telephone network provider;
11 a fax over Internet protocol session is maintained between the client and the fax machine
12 via the first Internet service provider, the Internet protocol network, the second Internet service
13 provider, and the telephone network provider;
14 the client maintains the fax over Internet protocol session with the fax machine using the
15 T38 protocol client driver.

1 2. The T38 client driver system of claim 1, wherein the client comprises a memory;
2 and
3 the T38 protocol driver is contained in the memory.

1 3. The T38 client driver system of claim 1, wherein the Internet protocol network
2 comprises a private network that is operable using an Internet protocol.

1 4. The T38 client driver system of claim 1, wherein the client connects to the first
2 Internet service provider using an integrated services digital network.

1 5. The T38 client driver system of claim 1, wherein the client connects to the first
2 Internet service provider using an asymmetric digital subscriber line.

1 6. The T38 client driver system of claim 1, wherein the client is operable to maintain
2 at least one additional Internet protocol session.

1 7. The T38 client driver system of claim 1, wherein the client comprises a laptop
2 computer.

1 8. The T38 client driver system of claim 1, wherein the client comprises a modem
2 having a firmware; and
3 the T38 protocol client driver is contained within the firmware.

1 9. A fax over Internet protocol driver system, comprising:
2 a client having a fax over Internet protocol client driver that is operable to support a fax
3 over Internet protocol session;
4 a first Internet service provider, the client connects to the first Internet service provider;

5 a second Internet service provider;
6 an Internet protocol network, the first Internet service provider and the second Internet
7 service provider are communicatively coupled via the Internet protocol network;
8 a fax machine that is operable to be communicatively coupled to the second Internet
9 service provider;
10 the client maintains a fax over Internet protocol session with the fax machine using the
11 fax over Internet protocol client driver.

1 10. The fax over Internet protocol driver system of claim 9, wherein the client
2 maintains at least one additional Internet protocol session.

1 11. The fax over Internet protocol driver system of claim 9, wherein the Internet
2 protocol network comprises the Internet.

1 12. The fax over Internet protocol driver system of claim 9, wherein the Internet
2 protocol network comprises a private network that is operable using an Internet protocol.

1 13. The fax over Internet protocol driver system of claim 9, wherein the client
2 comprises a personal computer.

1 14. The fax over Internet protocol driver system of claim 9, wherein the fax over
2 Internet protocol comprises a T38 protocol.

1 15. The fax over Internet protocol driver system of claim 9, wherein the client
2 connects to the first Internet service provider using a public switched telecommunications
3 network.

1 16. A method to support a fax over Internet protocol session, the method comprising:
2 connecting a client to a first Internet service provider over a first connection, the client
3 comprises a fax over Internet protocol client driver that is operable to support a fax over Internet
4 protocol session;

5 establishing a second connection between the first Internet service provider and a second
6 Internet service provider via an Internet protocol network;

7 the second Internet service provider establishes a third connection with a fax machine;
8 and

9 transmitting a fax from the client to the fax machine using a fax over Internet protocol
10 session that is supported by the fax over Internet protocol client driver of the client via the first
11 connection, the second connection, and the third connection.

1 17. The method of claim 16, wherein the first connection comprises an asymmetric
2 digital subscriber line.

1 18. The method of claim 16, wherein the client comprises at least one additional fax
2 machine, the at least one additional fax machine comprises an Internet capable fax machine.

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$